



PTO-SB:08 (2-92)

Sheet 1 of 1









Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number 373722002600	Application Number 10 087,264
	Applicant Giacomo VACCA et al.	
	Filing Date February 28, 2002	Group Art Unit 1743
	Mailing Date February 11 2003	

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U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
JS	1.	02/27/2001	6,195,478	Fouquet	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO	
	2.	10/01/1998	DE 197 11 564	Germany			Abstract	
	3.	01/07/1998	EP 0 815 940	Europe				
	4.	12/16/1998	EP 0 884 714	Europe				
	5.	12/01/2000	FR 2 794 039	France			Abstract	
	6.	11/16/1988	GB 2 204 710	Great Britain				
	7.	09/30/1992	GB 2 254 161	Great Britain				

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
JS	8.	Togo, H. et al. (1999). "Multi-Element Thermo-Capillary Optical Switch and Sub-Nanoliter Oil Injection for its Fabrication," <i>Miro Electro Mechanical Systems, 12th IEE International Conference, January 17-21, 1999</i> pp. 418-423.

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DATE CONSIDERED: 5/11/04

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Sheet 1 of 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 373722002600

Application Number 10/087,264

Applicant

Giacomo VACCA et al.

Filing Date February 28, 2002

Group Art Unit 1743

Mailing Date August 23, 2002

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
JS	1.	04/04/1989	4,818,052	Le Pesant et al.	—	—	
JS	2.	03/19/1985	4,505,539	Auracher et al.	—	—	
JS	3.	01/19/1993	5,181,016	Lee	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

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Examiner Initials	Ref. No.	Title

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Docket Number 373722002600

Application Number 10/087,264

Applicant

Giacomo VACCA et al.

Filing Date February 28, 2002

Group Art Unit 1743

Mailing Date May 7, 2002

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
JS	1.	04/22/1986	4,583,824	Lea	—	—	
	2.	12/06/1988	4,789,228	Le Pesant et al.	—	—	
	3.	01/29/1991	4,988,157	Jackel et al.	—	—	
	4.	12/16/1997	5,699,462	Fouquet et al.	—	—	
	5.	07/13/1999	5,921,678	Desai et al.	—	—	
	6.	09/21/1999	5,956,005	Sheridon	—	—	
	7.	09/28/1999	5,960,131	Fouquet et al.	—	—	
	8.	11/02/1999	5,978,527	Donald	—	—	
	9.	04/25/2000	6,055,344	Fouquet et al.	—	—	
	10.	06/06/2000	6,072,924	Sato et al.	—	—	
	11.	01/09/2001	6,170,981	Regnier et al.	—	—	
	12.	04/03/2001	6,210,128	Rife et al.	—	—	
	13.	05/15/2001	6,231,737	Ramsey et al.	—	—	
	14.	09/11/2001	6,287,520	Parce et al.	—	—	
	15.	10/23/2001	6,306,659	Parce et al.	—	—	
	16.	12/18/2001	6,331,073	Chung	—	—	
	17.	12/18/2001	6,331,439	Cherukuri et al.	—	—	
	18.	01/01/2002	6,334,676	Kaszczuk et al.	—	—	
JS	19.	01/08/2002	6,337,740	Parce	—	—	
	20.	01/29/2002	6,342,142	Ramsey	—	—	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
JS	21.	06/24/1994	JP 06-175052	Japan	—	—	
	22.	04/07/1995	JP 07-092405	Japan	—	—	

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		Filing Date February 28, 2002		Group Art Unit 1743	
		Mailing Date May 7, 2002			
23	03/08/1996	JP 08-062645	Japan		
24	12/27/2001	WO 01/98759	WIPO		Derwent Abstract

OTHER DOCUMENTS

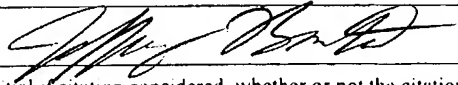
(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
<i>JS</i>	25.	Patent Abstracts of Japan for Japanese patent no. 06-175052, published on June 24, 1994 (2 pages, abstract only).
	26.	Patent Abstracts of Japan for Japanese patent no. 07-092405, published on April 07, 1995 (1 page, abstract only).
	27.	Patent Abstracts of Japan for Japanese patent no. 08-062645, published on March 08, 1996 (1 page, abstract only).
	28.	Beni, G. and Hackwood, S. (1981). "Electro-Wetting Displays," <i>Appl. Phys. Lett.</i> 38(4): 207-209.
	29.	Jackel, J. L. et al. (1983). "Electro Wetting Switch for Multimode Optical Fibers," <i>Applied Optics</i> 22(11): 1765-1770.
	30.	Jang, J. and Lee, S. S. (2000). "Theoretical and Experimental Study of MHD (Magnetohydrodynamic Micropump)," <i>Sensors and Actuators</i> 80:84-89.
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	32.	Lea, M. C. (1981). "Optical Modulators Based on Electrocapillarity," <i>Optic Letters</i> 6(8):395397.
	33.	Lee, J. and Kim, C-J (2000). "Surface-Tension-Driven Microactuation Based on Continuous Electrowetting," <i>Journal of Microelectromechanical Systems</i> 9(2):171-180.
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	35.	Makihara, M. et al. (1999). "Micromechanical Optical Switches Based on Thermocapillary Integrated in Waveguide Substrate," <i>Journal of Lightwave Technology</i> 17(1):14-18.
	36.	Pollack, M. G. and Fair, R. B. (2000). "Electrowetting-Based Actuation of Liquid Dropets for Microfluidic Applications," <i>Applied Physics Letters</i> 77(11):1725-1726.
	37.	Prins, M. W. J. et al. (2001). "Fluid Control in Multichannel Structures by Electrocapillary Pressure," <i>Science</i> 291:277-280.
	38.	Richter, A. et al. (1991). "Electrohydrodynamic Pumping and Flow Measurement," <i>IEEE PROC. MEMS</i> , New York, USA, pp. 271-276.
<i>JS</i>	39.	Richter, A. and Hermann, S. (1990). "An Electrohydrodynamic Micropump," <i>IEEE PROC. MEMS</i> , New York, USA, pp. 99-104.

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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (See several sheets if necessary) MAY 13 2002 OIPE PATENT & TRADEMARK OFFICE		Applicant Giacomo VACCA et al.	
		Filing Date February 28, 2002	Group Art Unit 1743
		Mailing Date May 7, 2002	
40.	Ross, D. and Aitchison, J. S. (2001). "Microfluidic Optical Switches Using Two Non-Mixing Fluids in a Mach Zehnder Interferometer," OECC/IOOC 2001 Conferences Incorporating ACOFT, Monday 2 July-Thursday 5, July, 2001, 2 pages.		
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42.	Sato, M. (1994). "Electrocapillarity Optical Switch," <i>IEICE Trans. Commun.</i> E77-B(2):197-203.		
43.	Vallet, M. et al. (1996). "Electrowetting of Water and Aqueous Solutions on Poly(Ethylene Terephthalate) Insulating Films," <i>Polymer</i> 37(12):2465-2470.		
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